ABSTRACT

Provided is a new molecular compound excellent in luminous property, which has a molecular structure wherein a thiophene ring and a benzene (or naphthalene) ring are directly bonded to each other, as a molecular compound making it possible to control its luminous color relatively easily and realize highly efficient and bright luminescence. In this compound, its color tone of emitted light can be variously changed by altering the number of the thiophene ring and the benzene (or naphthalene) ring and the bonding order of the rings. Thus, if this molecular compound is used as a luminous material, it is possible to easily cope with both control of its luminous color and realization of highly efficient and bright luminescence. Use of a luminous material using this molecular compound makes it possible to realize luminescence having wide colors from violet to red highly efficiently.